

Supplementary Material/Tables

**Table S1. Raw genetic variance/covariance matrix**

Symptom	Sx1	Sx2	Sx3	Sx4	Sx5	Sx6	Sx7	Sx8	Sx9	Sx10	Sx11
Sx1: Recurrent use resulting in failure to fulfill major roles	3.92E-02										
Sx2: Recurrent use in situations in which it is physically hazardous	2.20E-02	4.12E-02									
Sx3: Continued use despite persistent or recurrent social problems	5.34E-02	3.13E-02	7.32E-02								
Sx4: Tolerance	4.01E-02	3.82E-02	3.23E-02	5.19E-02							
Sx5: Withdrawal	3.13E-02	2.62E-02	4.85E-02	1.88E-02	3.24E-02						
Sx6: Taken in larger amounts or over a longer period than was intended	4.42E-02	3.05E-02	5.42E-02	3.13E-02	2.70E-02	5.54E-02					
Sx7: Persistent desire to cut down or control alcohol use	3.39E-02	3.57E-02	3.66E-02	4.57E-02	3.35E-02	4.33E-02	3.79E-02				
Sx8: A great deal of time spent to obtain/use/recover from alcohol	2.40E-02	2.12E-02	2.48E-02	1.38E-02	1.43E-02	2.51E-02	2.12E-02	1.49E-02			
Sx9: Given up or cut back on important activities in order to drink	4.22E-02	3.78E-02	4.19E-02	2.58E-02	3.40E-02	3.19E-02	3.99E-02	1.25E-02	4.58E-02		
Sx10: Continued to use alcohol despite knowledge physical or psychological problems	5.06E-02	4.21E-02	5.45E-02	4.18E-02	2.81E-02	4.39E-02	4.27E-02	2.96E-02	4.52E-02	6.45E-02	
Sx11: Craving	2.14E-02	2.03E-02	2.19E-02	2.45E-02	1.98E-02	1.20E-02	1.12E-02	3.91E-03	2.34E-02	2.31E-02	2.25E-02